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ABSTRACT

This booklet is designed to help high school students plan their course schedules. Though written with reference to the Baltimore area, it can serve as a useful model for other school districts. The booklet explains the zoned comprehensive schools and specialized citywide schools created under a 1975 desegregation program, listing and describing the course offerings of each. Other sections offer suggestions for career decision making and state the requirements for a high school diploma. A final section helps students organize the needed information and fill out a program schedule worksheet suitable for their needs. Emphasis throughout is on providing students with all the facts they need to choose effectively among available career options. (Author/EP)

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1975-76

Planning Your High School Program

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1975

BALTIMORE CITY PUBLIC SCHOOLS
THREE EAST TWENTY-FIFTH STREET
BALTIMORE, MARYLAND 21218
OFFICE OF THE SUPERINTENDENT

Dear Students and Parents:

You must make important decisions as you plan for the future. This booklet, *Planning Your High School Program,* is designed to help you plan the next steps in your education. It gives important information about high school programs available in the Baltimore City Public Schools.

The Board of School Commissioners has adopted a desegregation design for high schools that goes into effect in September 1975. This design provides for zoned comprehensive schools and specialized citywide schools.

One of the important purposes of this booklet is to assist you in the selection of programs rather than a specific high school. It is essential, therefore, that you carefully plan and work together. Remember that you are planning a total high school program, wherever this is possible, rather than selecting certain subjects.

Our aim is to help you work toward preparing for jobs, college, and careers. We hope the information in this booklet will assist you. Our counselors, teachers, and administrative staff are ready to help by providing additional information and counseling as you require them. Please utilize their services.

Important decisions will be made. Let us work together to make sure, to the best of our ability, that the decisions are good ones.

Sincerely,

Roland N. Patterson

Roland N. Patterson
Superintendent of Public Instruction

April 1975

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INTRODUCTION

This booklet is yours. Use it to plan your high school program and to discuss your program with your teachers.

This is how you should use this booklet:

Read the whole booklet first. You don't want to miss anything.

Review the parts of the booklet that will best help you.

Use the worksheet in this booklet to plan your program.

Ask your counselor for help in reaching decisions about your program.

GOOD LUCK!

decision making

Looking Ahead to the Future

If you have

–a good education

–a good character

–the ability to get along well with others

You can be sure of a good job!

Time for Deciding

What kind of person am I?

–What do I want to do?

–What do I do best?

–What do I like to do?

–What kind of education do I need for the jobs that interest me?

–What high school program is best for me?

–Will there be enough of those kinds of jobs around for me to be sure of getting one?

After High School

A Job!

If you plan to get a job after high school,

In Grade 9, select two electives that relate to your career goals;

In Grade 10, select a beginning or exploratory subject of your career goals;

In Grades 11 and 12, take additional mathematics and reading to pass job examinations; and

In Grades 11 and 12, take additional courses for skill development in your career area.

College!

If you plan to go to college or a special school after high school,

Check carefully the admission requirements for all of the schools you might be interested in attending;

In Grades 10, 11, and 12, include courses in advanced mathematics, chemistry, physics, and foreign languages.

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NOTE: Be sure to evaluate your ability to speak, write, and do basic mathematics. Get help if you need it.

CHOOSING A CAREER FIELD

The U.S. Department of Labor has prepared a list of 15 clusters or career fields into which all the thousands of jobs can be grouped.

The Fifteen Job Clusters*

1. Agri-business and natural resources occupations.
   Examples: forestry, land and water management, fisheries and wildlife, mining and quarrying, and petroleum and related products.

2. Business and office occupations.
   Examples: secretary, stenographer, general office clerk, office machine operator, office manager, and office supervisor.

3. Communications and media occupations.
   Examples: publishing, photographic reproduction, broadcasting, telephone, and telegraph.

4. Consumer and homemaking and related occupations.
   Examples: food service industry; clothing, apparel, and textile industry; child care, guidance, and teaching; household maintenance services; family and community services; and housing design.

5. Construction occupations.
   Examples: contracting, interior designing, grounds maintenance, fabrication, and installation.

6. Environment occupations.
   Examples: soil and mineral conservation and control, space and atmospheric monitoring and control, air pollution abatement and control, environmental health services, ornamental horticulture, noise abatement and control and forest range, and wildlife conservation and control.

7. Fine arts and humanities occupations.
   Examples: performing arts and design, performing arts production, and creative writing.

8. Health occupations.
   Examples: medical librarian, science, health maintenance, pediatric care and services, mental health maintenance and medical care, nurse, doctor.

9. Hospitality and recreation occupations.
   Examples: recreation planning, tourism and recreation promotion, group travel services, and leisure consumerism programs.

10. Manufacturing occupations.
    Examples: model development, foundry operations, machine operations, material handling, and recycling operations.

*U.S. Department of Health, Education, and Welfare, *Vocational Education and Occupations* (Washington: U.S. Government Printing Office, 1969).

11. Marine science occupations.
Examples: marine animal (zoological) research, boat and vessel operations, and shipboard product sorting.

12. Market and distribution occupations.
Examples: wholesale trade, direct selling, exporting, retail trade, purchasing, and shipping and delivery.

13. Personal service occupations.
Examples: massage and related services, analyzing and counseling on weight problems, hair styling, and mortuary services.

14. Public service occupations.
Examples: coordinating public housing, handling birth, marriage, and death records, customs inspection, and law enforcement.

15. Transportation occupations.
Examples: vehicle operation, freight service, commercial aviator, and marine piloting.

In each cluster:

Most jobs require a high school diploma.

Many jobs require 2-4 years of college or special training.

Some jobs require several years of study beyond college graduation.

For example:

Health Careers

Nurses Aides Orderlies Attendants	Dental Laboratory Technicians Licensed Practical Nurses	Registered Nurse	Pharmacist
(High School Diploma or less)	*(High School Diploma)*	*(3 Years Nurse's Training after High School Graduation)*	*(2 Years Pre-Pharmacy in College, 3 or 4 Years Pharmacy in College)*

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NOTE: Be sure to learn about the educational requirements in the career field of your choice.

REQUIREMENTS FOR A HIGH SCHOOL DIPLOMA FOR STUDENTS NOW IN GRADES 9, 10, 11

You must satisfactorily complete four years of approved study beyond the eighth grade. You must earn a minimum of eighteen credits beyond the eighth grade. These are as follows:

English	4 credits*
Mathematics	2 credits*
Science	2 credits*
Social Studies —one must be World Cultures —one must be U.S. History	3 credits*
Physical Education	1 credit*
You also need	6 credits in Electives
You need a total of	18 credits

*A *credit* is based on the satisfactory completion of course work and the number of clock hours scheduled.

1 credit	132 clock hours
1/2 credit	66 clock hours
1/3 credit	44 clock hours
1/4 credit	33 clock hours

What Are Electives?

Electives are additional courses you choose to reach your career goals, such as typing, machine shop, foreign language, algebra, art, home economics, and chemistry.

The electives you choose should include a group of subjects for your future plans:

If you want to plan for a business career, you will probably include typing, office practice or merchandising, bookkeeping or business law.

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If you prefer a technical skill, you will include shop courses in all three years and related math or science.

If you hope to go to college, you should take advanced mathematics, science, foreign language, and other courses according to your career interests.

A few electives might be chosen for their leisure time value.

REQUIREMENTS FOR A HIGH SCHOOL DIPLOMA FOR STUDENTS ENTERING GRADE 9 IN SEPTEMBER 1975

Students entering Grade 9 in September 1975 must meet the new Maryland State requirements for a high school diploma by earning twenty credits and satisfactorily completing four years of approved study beyond the eighth grade. The twenty credits are as follows:

English	4 credits*
Mathematics	2 credits*
Science	2 credits*
Social Studies –one must be World Cultures –one must be U.S. History	3 credits*
Physical Activity Program required each year	
You also need	9 credits in Electives
You need a total of	20 credits

*A *credit* is based on the satisfactory completion of course work and the number of clock hours scheduled.

1 credit	132 clock hours
1/2 credit	66 clock hours
1/3 credit	44 clock hours
1/4 credit	33 clock hours

What Are Electives?

Electives are additional courses you choose to reach your career goals, such as typing, machine shop, foreign language, algebra, art, home economics, and chemistry.

The electives you choose should include a group of subjects for your future plans:

If you want to plan for a business career, you will probably include typing, office practice, or merchandising, bookkeeping, or business law.

If you prefer a technical skill, you will include shop courses in all three years and related math or science.

If you hope to go to college, you should take advanced mathematics, science and foreign language and other courses according to your career interests.

A few electives might be chosen for their leisure time value.

Required Courses

Grade	English	Mathematics*	Science**	Social Studies***
9	English I 1 credit	Mathematics 1 credit	General Science 1 credit	World Cultures 1 credit
10	English II 1 credit	Mathematics 1 credit	Science 1 credit	
11	English III 1 credit			Social Studies 2 credits
12	English IV 1 credit			
Total Required Credits	**4**	**2**	**2**	**3**

**Mathematics*–2 credits are required in Grades 9-12. It is recommended that a second credit in mathematics be taken in Grade 10.

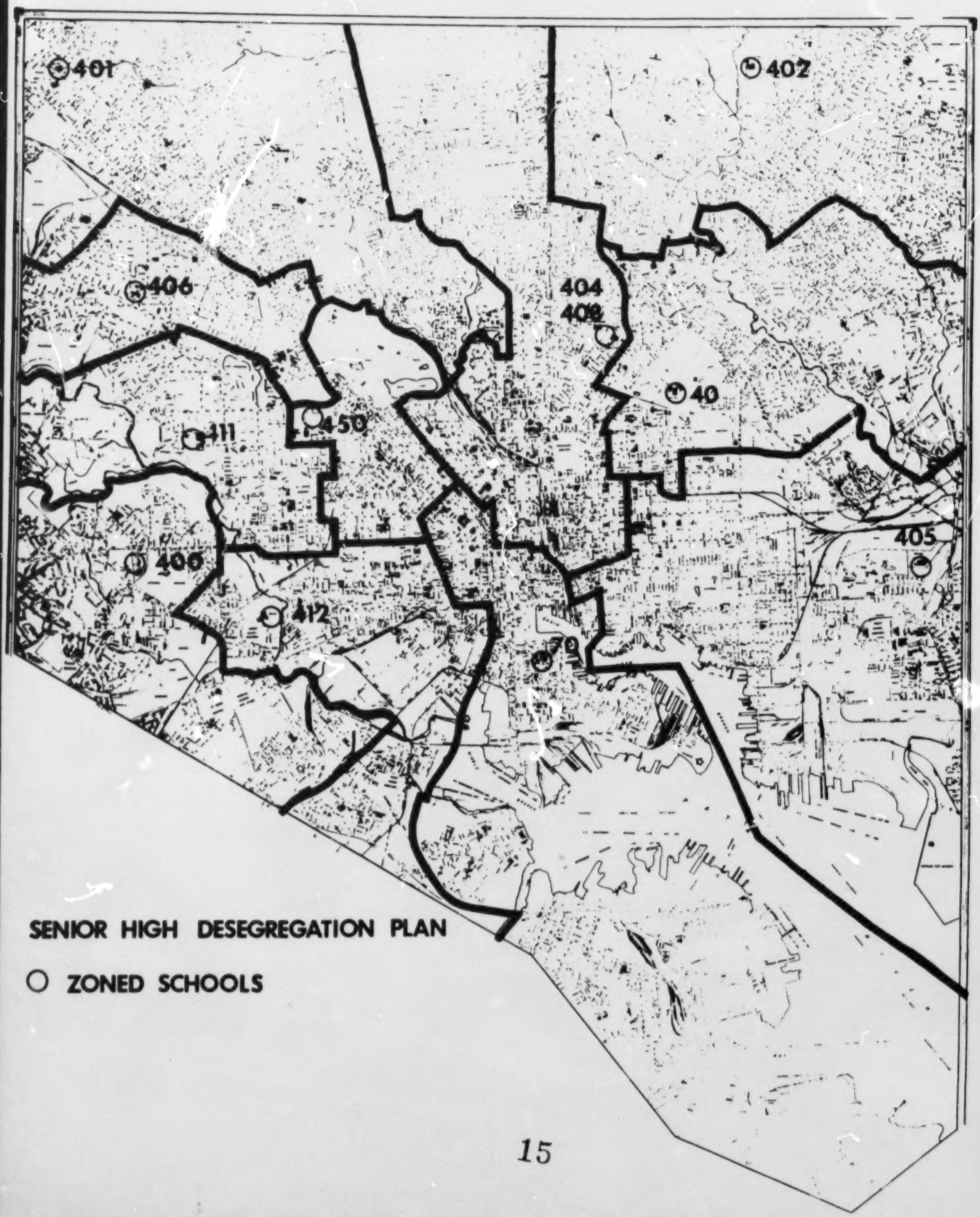
***Science*–2 credits are required in Grades 9-12. It is recommended that a second credit in science be taken in Grade 10.

****Social Studies*–3 credits are required in Grades 9-12; one must be World Cultures in Grade 9, and one must be United States History, recommended in Grade 11.

NOTE: For students now in Grades 9, 10, and 11, one credit of physical education must be completed prior to graduation.

For students entering Grade 9 in September 1975, a physical activity program will be required each year.

zoned comprehensive high schools



SENIOR HIGH DESEGREGATION PLAN

○ **ZONED SCHOOLS**

The desegregation design for high schools provides for zoned comprehensive high schools.

The city has been divided into zones. **See the map on the facing page.** The schools in these zones are called zoned *comprehensive* schools.

Where *you* go to school depends on where *you* live.

A *comprehensive* high school offers many courses for both college and job preparatory programs. All students who enter senior high school will follow a job preparatory program or a college preparatory program.

NOTE: Each zoned comprehensive high school will offer courses at all levels in each instructional department.

Zoned comprehensive high schools to which pupils are admitted on the basis of residence are:

Baltimore City College (#408)
3220 The Alameda 21218
396-6673

Eastern High School (#404)
1101 East 33rd Street 21218
396-6663

Edmondson High School (#400)
501 Athol Avenue 21229
396-0685

Forest Park High School (#406)
4300 Chatham Road 21207
396-0753

Frederick Douglass High School (#450)
2301 Gwynns Falls Parkway 21217
396-0846

Lake Clifton High School (#40)
2801 St. Lo Drive 21213
396-6637

Northern High School (#402)
2201 Pinewood Avenue 21214
396-6435

Northwestern High School (#401)
6900 Park Heights Avenue 21215
396-0652

Patterson High School (#405)
100 Kane Street 21224
396-9276

Southern High School (#70)
201 Warren Avenue 21230
396-1500

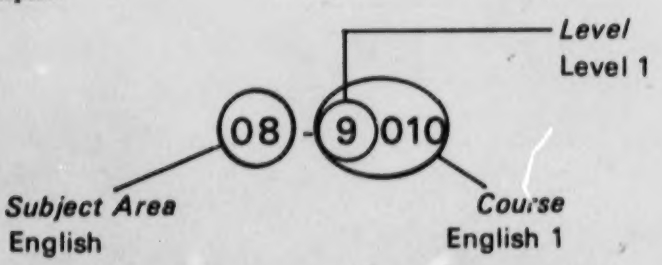
Southwestern High School (#412)
200 Font Hill Avenue 21223
396-1421

Walbrook High School (#411)
2000 Edgewood Street 21216
396-0721

How to Tell Course Levels

Each course is identified with a six number code. The first two numbers indicate the subject area. The first number after the dash indicates the grade level. This number plus the final three numbers identify the specific course.

For example:



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All courses starting with *9* are Level I courses, usually offered in Grade 9.
All courses starting with *0* are Level II courses, usually offered in Grade 10.

All courses starting with *1* are Level III courses, usually offered in Grade 11.
All courses starting with *2* are Level IV courses, usually offered in Grade 12.

NOTE: Consult your counselor if you desire a course that is not identified with your grade level.

Discuss taking courses that are Honors Courses or Electives with your teacher or counselor.

Courses designated *Electives* will be offered in your zoned comprehensive school if there is a sufficient number of students to organize the class.

How to Read Course Listings

On the next pages are lists of the courses offered in zoned comprehensive high schools. They are listed by department (Art, English, Science, etc.) and by grade level. At the end of some course descriptions, you will see a word you will need to know. The word is *Prerequisite.* A *Prerequisite* is something you need to have before you take that course. It might be another course; it might be some skill or talent; it might be the approval of teachers, a counselor, a department head, or a principal.

Look at this section carefully to find the courses you need for your program. Note the level.

ART

Electives

Advanced Design
Drawing and Painting
Sculpture
Printmaking
Graphic Design
Environmental Design
Ceramics
Jewelry
Textile Design

NOTE: Courses in art may be taken at all grade levels.

Electives

Advanced Design 03-0170 5 periods/week, 1 credit

Study and application of basic design concepts as they relate to the art of man, the natural and man-made environment, critical judgment, and student creative expression in various two- and three-dimensional forms. Design concepts include: line, shape, form, space, color, value, texture, balance, unity, emphasis, contrast, and rhythm.

Drawing and Painting 03-0100 5 periods/week, 1 credit

Introductory course in the basic skills of drawing (pencil, pen and ink, charcoal, chalk) and painting (tempera, watercolor, mixed media, collage). The emphasis is on drawing and painting as a form of personal expression and its significant role throughout the history of man, as well as today.

Sculpture 03-0130 5 periods/week, 1 credit

Introductory program of reading, discussion, and related creative experiences to develop student's understanding of three-dimensional form, past and present. Student activities will include modeling, carving, and constructing. Students will

explore the qualities and characteristics of materials such as paper, wood, clay, plaster, and wire in their own creative work.

Printmaking 03-0120 5 periods/week, 1 credit

An introductory course in printmaking that will emphasize the purpose and nature of printmaking with a variety of tools, materials, techniques, and processes. Students will become aware of the role of printmaking in the course of history and how artists use this technique to visualize religious meanings, social comment, and the recording of human events. Relief, monoprint, and stencil printing will be explored.

Graphic Design 03-0080 5 periods/week, 1 credit

Introductory reading, writing, discussion, and creative experiences related to the general area of graphic design to include poster design, advertising art, fashion illustration, product design, display, and sign painting. A special emphasis to be placed on lettering, typography, layout, and illustration. Additional consideration will be given to graphic design as a powerful communications force in our daily lives.

Environmental Design 03-0180 5 periods/week, 1 credit

A development, through reading, discussion, and related creative activities, of student awareness and understanding of the natural and man-made environment in which we live. A special emphasis will be placed on the influence of the artist/architect on the shaping of our physical environment with special consideration for preservation, conservation, and renewal.

Ceramics 03-0070 5 periods/week, 1 credit

Introductory course in the basic skills and techniques of clay work including coil and slab building, surface decoration, and finishing. Creative activities will provide students the opportunity to design and construct containers and decorative (ornamental) objects. Reading, writing, and discussion will focus on ceramic objects throughout history and in the twentieth century.

Jewelry 03-0150 5 periods/week, 1 credit

Introductory course in the history, techniques, materials, skills, and purposes of jewelry as body ornamentation. Creative activities of students will include designing and making jewelry forms, using wood, metal, and paper with an emphasis on design concepts as they relate to specific jewelry forms.

Textile Design 03-0160 5 periods/week, 1 credit

Introductory program in the basic techniques, materials, and skills of textile design. The emphasis will be on the designing and making of fabrics with techniques such as weaving, hooking, and macramé. Reading, writing, and discussion will focus on textile design of the past and present.

DRIVER EDUCATION

Driver Education 05-0010 5 periods/week (1 semester), ½ credit

Designed to enable the student to meet the standards required by the State Department of Education for issuance of the State certificate of completion. The course is offered to eligible students 15 through 17 years of age. If students desire to elect driver education, they must attend the first class prior to their 18th birthday. Students registering in driver education should anticipate some after-school laboratory instruction in addition to the school day portion of the course.

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ENGLISH

Required
English I
English II
English III
English IV

Honors
English I (Honors)
English II (Honors)
English III (Honors)
English IV (Honors)

Electives
Journalism
Speech
Drama I, II
Writing Lab I, II
Multi-Ethnic Literature
Newspaper I, II
Yearbook I, II
Reading Laboratory I, II, III

NOTE: Each of the reading laboratory courses can be taken at the 9th, 10th, 11th, or 12th grade levels.

Required

English I 08-9010 — 5 periods/week, 1 credit

Emphasizes skill development in the areas of reading, writing, listening, and speaking through the use of thematic units.

English II 08-0010 — 5 periods/week, 1 credit

Continues to emphasize the skill development areas of reading, writing, listening, and speaking with exposure to various types of literature. *Prerequisite:* English I.

English III 08-1010 — 5 periods/week, 1 credit

Built around skill development using contemporary literature and the media as a basis for the use of the various language skills. Along with various types of creative writing, emphasis is placed on business- and life-oriented writing skills. *Prerequisite:* English II.

English IV 08-2010 — 5 periods/week, 1 credit

Stresses writing organization and analysis, as well as persuasive writing. Reading skills are reinforced through exposure to various types of literature. *Prerequisite:* English III.

Honors

English I (Honors) 08-9110 — 5 periods/week, 1 credit

Based on thematic literature units which will expose students to many types of writing. These units also include development of the language skills.

English II (Honors) 08-0110 — 5 periods/week, 1 credit

Continues the concepts of literature but provides increased depth and variety in the study of various types of literature. It includes study of poetry forms, plays, advertising, film communication, etc.

English III (Honors) 08-1110 — 5 periods/week, 1 credit

Built around the American cultural heritage. Readings in American literature, with emphasis on contemporary writing and the media, form the content. *Prerequisite:* English II (Honors).

English IV (Honors) 08-2110 — 5 periods/week, 1 credit

Designed to give students a broad sampling of the various literary genres. In

addition, work is concentrated in the area of individual research. *Prerequisite:* English III (Honors).

Electives

Journalism 08-1040 5 periods/week, 1 credit

Designed to acquaint the student with and give him practice in writing in the journalistic style and format.

Speech 08-1100 5 periods/week, ½ credit

Includes work on the basic skills for oral communication. This course provides additional study into the psychological aspects of public speaking, problem solving techniques, and the art of the media. This is *not* a speech correction course. Elective for all grades.

Drama I 08-0020 5 periods/week, ½ credit

An introduction to the theatre with an emphasis on the physical aspects. This course explores many forms of acting techniques–pantomime, improvisations, mime, etc. Instructions in voice projection and diction are included. Elective for all grades.

Drama II 08-1020 5 periods/week, ½ credit

The performing aspects of the theatre will be emphasized. This will include make-up, costumes, set design, theatre management, and play production. *Prerequisite:* Drama I or approval of drama teachers.

Writing Lab I 08-1550 5 periods/week (1 semester), ½ credit

Designed to provide students with extensive opportunities for directed creative writing. The students will work toward developing personal style and creative expression using poetry form, short story form, play form, etc.

Writing Lab II 08-1560 5 periods/week (1 semester), ½ credit

Designed to provide students with those skills necessary to write research papers.

Multi-Ethnic Literature 08-1160 5 periods/week (1 semester), ½ credit

Exposes the student to a wide variety of writing from many ethnic groups.

Newspaper I 08-1050 5 periods/week (1 semester), ½ credit

Designed to prepare students for writing for the school newspaper. Emphasis is placed on journalistic style and format. *Prerequisite:* Must be an 11th grade student.

Newspaper II 08-1060 5 periods/week (1 semester), ½ credit

Intended for students on the staff of the school newspaper.

Yearbook I 08-1070 5 periods/week (1 semester), ½ credit

Designed to prepare students for writing the yearbook. Emphasis is placed on journalistic style and format. *Prerequisite:* Must be a 12th grade student.

Yearbook II 08-1080 5 periods/week (1 semester), ½ credit

This course is intended for students on the staff of the yearbook.

Reading Laboratory I 08-0170 3–5 periods/week, 1 credit

Required of those students who fail to meet the minimum achievement level as established by the Maryland State Department of Education. The purpose of the

course is to provide opportunities for students to make needed improvement in basic reading skills, to adapt to different types of reading, and to extend their skills and abilities in functional, recreational, and critical reading.

Reading Laboratory II 08-0180 3–5 periods/week, 1 credit

Designed to enable the student to perform satisfactorily those reading tasks required by the secondary school curriculum and those required for his avocational interests. Students who can satisfactorily operate at this level should be provided additional opportunities for developing greater efficiency in performing reading tasks. Emphasis would be on more advanced skills of comprehension and the development of personal and permanent reading interests.

Reading Laboratory III 08-0190 3–5 periods/week, 1 credit

Provides students with enrichment opportunities in the area of advanced reading skills; e.g., speed reading, analytical comprehension, etc.

FOREIGN LANGUAGES

Electives

Level I
- French
- Spanish
- German

Level II
- French
- Spanish
- German

Level III
- French
- Spanish
- German

Level IV
- French

Level V
- French
- Spanish
- German

NOTE: The foreign language program is an elective program. A student may begin his study in grades 9, 10, 11, or 12.

Electives

Level I: French 06-9010; **Spanish** 06-9020; **German** 06-9030
5 periods/week, 1 credit

Emphasizes the development of the student's listening and speaking skills. Vocabulary building and structure recognition will lead to an ability to understand and speak the foreign language.

Level II: French 06-0010; **Spanish** 06-0020; **German** 06-0030
5 periods/week, 1 credit

Further development of the oral skills as an introduction to reading and writing. The development of these latter skills will be closely directed. A student may take Level II of the sequence in Grades 9, 10, 11, or 12. *Prerequisite:* Level I.

Level III: French 06-1010; **Spanish** 06-1020; **German** 06-1030
5 periods/week, 1 credit

16 Characterized by more intensive reading, vocabulary development, structure recognition, and cultural study. A student may take Level III of his program in Grades 10, 11, or 12. *Prerequisites:* Levels I and II.

Level IV: French 06-2010; **Spanish** 06-2020; **German** 06-2030
5 periods/week, 1 credit

An in-depth foreign language experience. Classes are conducted in the foreign

language. Rich cultural experiences are included. Films, filmstrips, and native consultants are a part of the program. A student may take Level IV at Grades 11 or 12. *Prerequisites:* Levels I, II, and III.

Level V: French 06-2110 **Spanish** 06-2120 **German** 06-2130
5 periods/week, 1 credit

An honors program. It is characterized by much independent study of all types of literature and culture. Creative writing will be encouraged. Reports will be made orally and in writing. Students may take this program in the 12th grade. *Prerequisites:* Levels I, II, III, and IV.

HEALTH EDUCATION

Electives

Health Science Education
Health Science: Contemporary Problems
Health Science: Concepts and Issues
Health Science: Dimensions of Health Problems

NOTE: The health education program is an elective program. There are no prerequisites for any of the courses.

Electives

Health Science Education 07-9010 5 periods/week (1 semester), ½ credit

Offered in either the fall or spring semester for ninth grade students as a means of fulfilling the health education goal of assisting students to develop a functional concept of health. The content, developed through six important health concepts, emphasizes the internal and external forces that determine the varied responses of the individual's health related behavior. Opportunity is provided for exploration of social health problems such as venereal diseases and drug misuse as they affect peer and community group practices, and individual growth and development.

Health Science: Contemporary Problems 07-1010 5 periods/week, 1 credit

Offers students the opportunity to explore personal and community health problems that attend our dynamic society. The content is developed from four of the six health concepts and deals with health problems as they relate to natural conditions, man-made products and services, assimilated substances, and genetic perpetuation.

Health Science: Concepts and Issues 07-1020 5 periods/week, 1 credit

Designed so that students may gain practical information concerning the social and economic factors that contribute to the causes and the alleviation of health conditions. Students will be guided in the exploration of current health issues concerning all six health concept areas: natural conditions, man-made products and services, social forces, assimilated substances, sensory stimulation, and genetic perpetuation.

Health Science: Dimensions of Health Problems 07-2010
5 periods/week, 1 credit

Essential content focuses on involvement of the student in health problems of local, State, national, and international scope. The emphasis of the six concept areas is placed on the effect of action by individuals and groups that alleviates, aggravates, or eliminates health problems. This course may be implemented in seminar style using research and other investigative techniques.

HOME ECONOMICS

Electives

Home Economics
Family Living I, II
Child Development I, II
Clothing and Textiles I, II, III
Food and Nutrition I, II, III
Personal Development
Housing and Interior Design
Consumer Education

NOTE: Courses in home economics (consumer and homemaking education) may be taken at all grade levels.

Electives

Home Economics 09-9040 5 periods/week, 1 credit

An exploration of such areas as clothing, foods, family living, and child care.

Family Living I 09-0720 5 periods/week, 1 credit

An exploration of the role of the family unit, decision making, management of resources, and interpersonal relationships.

Family Living II 09-1730 5 periods/week, 1 credit

Emphasis on preparation for marriage, effects of social problems on family, citizenship, consumer education, and value clarification.

Child Development I 09-0700 5 periods/week, 1 credit

Emphasis on understanding the developmental growth of children from birth through age 2. Provisions will be made for guiding early childhood behavior and observation of young children.

Child Development II 09-1700 5 periods/week, 1 credit

Emphasis on understanding the developmental growth of children from ages 2 through 4. Provisions will be made for planning activities for young children and for working with children.

Clothing and Textiles I 09-0400 5 periods/week, 1 credit

For beginners, with stress on basic clothing construction and repairs. Provisions will be made for fabric identification, needlecraft--knitting, crocheting, etc.

Clothing and Textiles II 09-1400 5 periods/week, 1 credit

Emphasis on advanced clothing construction techniques, dressmaking, altering, or remodeling clothes. Students will work with knits and other fabrics and will furnish their own materials. *Prerequisite:* Clothing and Textiles I or approval of teacher.

Clothing and Textiles III 09-2400 5 periods/week, 1 credit

Advanced sewing and tailoring.

Food and Nutrition I 09-0200 5 periods/week, 1 credit

A development of principles and techniques of food preparation and the study of the scientific aspects of foods and how the body uses them. Nutrition-oriented laboratory experiences will be provided.

Food and Nutrition II 09-0210 5 periods/week, 1 credit

Emphasis on nutritional needs of family, food planning, meal and table service,

foods for special occasions, and consumer buying.

Food and Nutrition III 09-1200 5 periods/week, 1 credit

Emphasis on gourmet foods, foods and cultures, entertainment and etiquette, social aspects of foods, and careers related to food service.

Personal Development 09-0730 5 periods/week, 1 credit

Develops an understanding of interpersonal relationships, grooming, health, dress, and manners.

Housing and Interior Design 09-0650 5 periods/week, 1 credit

A personal use survey course. Includes: principles of interior design, meeting housing needs, miscellaneous decorative furnishings, textiles for the home, furniture periods and styles, housewares and home equipment, and consumer home furnishings. Students will furnish own materials for projects in decorative furnishings; e.g., fabric for pillows.

Consumer Education 09-0680 5 periods/week, 1 credit

Aims at developing the student to be a more effective consumer in terms of his own needs. Areas include: managing personal and family finance, credit, value clarification, decision making, buymanship, consumer responsibility, savings, insurance, health care, consumer housing, foods, clothing, and textiles; legal rights, responsibilities, and resources; comparison of economic systems, economic education, consumer protection, savings and investments; pollution and environment.

INDUSTRIAL ARTS

Electives

Printing
Woodwork
Crafts

Machine Shop
Sheet Metal
Drafting
Electronics

NOTE: Courses in industrial arts may be taken at all grade levels and should be decided upon in conjunction with your counselor.

Electives

Printing 99-0840 5 periods/week, 1 credit

Provides experiences in basic graphic arts techniques and procedures. Areas of instruction included are hand composition, basic layout and design, lockup, and platen presswork. In all shops, the instruction has been expanded to include bookbinding and other bindery operations, silk screen, and offset preparation and presswork.

Woodwork 99-0720 5 periods/week, 1 credit

Includes instruction in the use of tools, machines, and materials used by woodworkers. The millwork aspect of the course emphasizes machine operation and production techniques currently used in the industry. The student may build a wide range of wood projects using a variety of hand and machine skills. Also included in the course are experiences in wood finishing using stain, shellac, paint, wax, lacquer, and enamel. Materials and processes of construction are emphasized.

Crafts 99-0760 5 periods/week, 1 credit

Surveys many craft processes and applications. The student may have experiences

in the following areas: ceramics, leatherwork, plastics, wood crafts, basketry, glass etching, jewelry making, and papier-mache.

Machine Shop 99-0140 5 periods/week, 1 credit

Provides classroom and shop experiences concerned with all aspects of shaping metal parts. Instruction involves making computations related to work dimensions, tooling, feeds, and speeds of machining. Also emphasized are: work at the bench and on lathes, shapers, milling machines, grinders, and drills; use of layout tools and precision measuring instruments, such as micrometers and gauges; methods of machining and heat treatment of various metals; blueprint reading; and the layout of machine parts. Instruction prepares the student to operate various machine tools.

Sheet Metal 99-0770 5 periods/week, 1 credit

Includes instruction in the use and care of hand tools and machines used in the performance of sheet metal operations. Experiences are given in the development of patterns and drawings, shaping of sheet metal, making of seams and joints, and methods of fastening—rivets, solder, welding, etc.

Drafting 99-0740 5 periods/week, 1 credit

Includes basic instruction in the essentials of freehand sketching, lettering, orthographic projection, drawings from models, sectional drawings, auxiliary drawings, and isometric drawings. Advanced instruction covers machine drawing and design, architectural drawing, structural drawing, sheet metal pattern development, schematic diagramming, and industrial illustration. Throughout the course the development of skills and drafting room practices are emphasized.

Electronics 99-0050 5 periods/week, 1 credit

Provides basic training in the theory and basic laws of electricity, AC and DC circuits and machines, time varying circuits, electrical instruments, and electrical installation planning. Also provided are maintenance experiences and safety practices developed through experiments designed to substantiate electrical theory.

NOTE: Trade and Industry courses for zoned comprehensive high schools will be listed for each school in its supplement. The supplement will be made available to you by your school counselor.

MATHEMATICS

Honors

Algebra I, II (Honors)
Geometry (Honors)
Advanced Mathematics (Honors)

Electives

Applied Mathematics I, II, III, IV
Algebra I, II
Computer Mathematics
Trigonometry/Analytic Geometry
Calculus
Advanced Mathematics
Geometry
Consumer Mathematics
Business Mathematics*

*See listed under Office and Distributive Occupations, p. 26.

Honors

Algebra I (Honors) 11-9020 5 periods/week, 1 credit

Similar to Algebra I except that the student is exposed to a more in-depth study of the symbolic language of mathematics. Basic properties of the real number system are introduced in a more formal fashion. *Prerequisite:* recommendation of mathematics department head.

Algebra II (Honors) 11-1080 5 periods/week, 1 credit

Includes a study of one semester of intermediate algebra and one semester of trigonometry for pupils who have demonstrated above average achievement in Algebra I. Specific content includes: postulates of real numbers, extension of fundamental operations of algebra, linear functions, radicals and exponents, quadratic functions and equations, systems of equations, and trigonometric functions and analysis. *Prerequisite:* Algebra I (Honors) or recommendation of mathematics department head.

Geometry (Honors) 11-0070 5 periods/week, 1 credit

Designed for pupils who have aptitude, strong interest, and high achievement in mathematics. Topics listed in the regular geometry course are studied in depth, the nature of proof and logic are stressed, and selected proofs from three-dimensional geometry and coordinate geometry are required. *Prerequisite:* Algebra I (Honors) or recommendation of mathematics department head.

Advanced Mathematics (Honors) 11-2060 5 periods/week, 1 credit

Includes a modern treatment of trigonometric analysis with a logical development of circular functions as periodic functions, a synthetic and analytic treatment of selected topics from three-dimensional geometry, a study of selected topics from analytical geometry, and a study of elementary functions. *Prerequisite:* Algebra I (Honors) or recommendation of mathematics department head.

Electives

Applied Mathematics I 11-9030 5 periods/week, 1 credit

Designed for pupils who need or desire to have an additional year of mathematics before deciding between a sequence of college preparatory or job preparatory mathematics. The course extends skills and concepts of arithmetic, intuitive geometry, and informal algebra. *Prerequisite:* successful completion of eighth grade mathematics.

Applied Mathematics II 11-0030 5 periods/week, 1 credit

A consumer-oriented mathematics course. It is designed to provide work in the fundamentals of arithmetic and introduce applications of mathematics in everyday life. Applications include the following: earning money, family finances, buying wisely, installment buying, borrowing money, taxation, insurance, banking, and investments. *Prerequisite:* successful completion of ninth grade mathematics.

Applied Mathematics III 11-1020 5 periods/week, 1 credit

The third in a sequence of high school courses with the emphasis on applications. This course extends the work of arithmetic, intuitive algebra, and intuitive geometry. It enables the pupils to achieve competency in the mathematics necessary for social living. Specific content includes: number and operations, numbers in measurement, percentage, angles and polygons, number sentences, perimeters and areas, volumes, ratio and proportion, measurement, formulas, and practical applications. *Prerequisite:* Applied Mathematics II or recommendation of department head.

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Applied Mathematics IV 11-2020 5 periods/week, 1 credit

The fourth in a sequence of high school courses with the emphasis on applications. This course extends and reinforces the mathematics of Applied Mathematics III. It is a consumer-oriented mathematics course and is designed to help

pupils handle their personal financial affairs wisely. *Prerequisite:* Applied Mathematics III or recommend ion of department head.

Algebra I 11-9010 5 periods/week, 1 credit

An introduction to the symbolic language of mathematics, a language which uses letters to represent one or more members of a specified sub-set of the set of real numbers. Basic properties of the real number systems are introduced intuitively, and computational skills involving the four fundamental operations are developed. *Prerequisite:* successful completion of eighth grade mathematics.

Algebra II 11-1060 5 periods/week, 1 credit

Designed to give pupils strong preparation in algebra. The concept of numbers is extended to include complex numbers. Specific topics included are: postulates of real numbers, polynomials and factoring, rational numbers and expressions, linear functions, equations and inequalities, radicals and exponents, exponential functions and logarithms, quadratic equations, functions and relations, and sequences and series. *Prerequisite:* completion of Algebra I.

Computer Mathematics 11-2110 5 periods/week, 1 credit

Designed for students who desire an introduction to computers and computer programming. The course consists of two parts. In the first part, students work with programmable calculators and study the particular assembly language used in programming with these machines. The second part of the course involves the study of Fortran IV language. *Prerequisite:* recommendation of mathematics department head.

Trigonometry/Analytic Geometry 11-2070 5 periods/week, 1 credit

Designed for students who have a strong interest in mathematics and desire to major in mathematical or scientific fields at the college level. The first part of the course includes the study of trigonometry. This is followed by the study of analytic geometry. *Prerequisite:* completion of Algebra II.

Calculus 11-2140 5 periods/week, 1 credit

Designed for students who have a strong interest in mathematics and desire to major in mathematical or scientific fields at the college level. The content includes: fundamental concepts, the derivative, applications of the derivative, the definite integral, transcendental functions, techniques of integration applications of the definite integral, geometry in the plane, sequence and series, and elementary differential equations. *Prerequisite:* completion of Trigonometry/Analytic Geometry or Advanced Mathematics.

Advanced Mathematics 11-2050 5 periods/week, 1 credit

Designed for pupils who have a strong interest in mathematics. It provides the necessary mathematical background for a first-year calculus course. Specific content includes: trigonometric functions, concepts and application of three-dimensional geometry, introduction to analytical geometry, and the elements of probability. *Prerequisites:* completion of Algebra II and Geometry.

Geometry 11-1050 5 periods/week, 1 credit

Includes the study of space relations in two and three dimensions. It introduces pupils to a formal system of logical reasoning and includes a study of the properties of geometric figures, applications, and the nature of proof. *Prerequisite:* completion of Algebra I.

Consumer Mathematics 11-2030 5 periods/week, 1 credit

Designed to help pupils become knowledgeable about the applications of mathematics to consumer problems. It involves the study of a variety of applications of arithmetic which apply particularly to consumer problems. *Prerequisite:* completion of Applied Mathematics.

MUSIC

Electives	Instrumental
General I, II	Band
Vocal	Choir

NOTE: Courses in music may be taken at all grade levels.

Electives

General I 15-0200 5 periods/week, 1 credit

A survey of popular and classical art music of today which traces its relationship to music of other cultures and times. The course will emphasize performing works or excerpts studied.

General II 15-0250 5 periods/week, 1 credit

Provides in-depth study of exemplars of music of the world and their relationship to music of other cultures and to periods of history. The course emphasizes performing works or excerpts studied; analyzing works studied, including form, texture, historical content and cultural basis; and the use of media, unity, and variety, the elements of music, and compositional devices.

Vocal 15-0210 5 periods/week, 1 credit

Includes small-group instruction and a sequential and systematic study of varied repertory with emphasis upon the development of ensemble and solo performance skills.

Instrumental 15-0120 5 periods/week, 1 credit

Includes small-group instruction in string instruments, systematically studying a varied repertory and developing ensemble and solo performance skills.

Instrumental 15-0130 5 periods/week, 1 credit

Includes small-group instruction in wind instruments, systematically studying a varied repertory and developing ensemble and solo performance skills.

Instrumental 15-0150 5 periods/week, 1 credit

Open to students not having studied piano previously. The applied music course will emphasize applied basic musicianship and elementary keyboard facility.

Instrumental 15-0140 5 periods/week, 1 credit

Open to students not having studied guitar previously. This applied music course will emphasize applied basic musicianship and elementary guitar facility.

Instrumental 15-0350 5 periods/week, 1 credit

An applied music course emphasizing the development of skills in the per-

formance of piano literature. *Prerequisite:* Instrumental 15-0002 or demonstrated competence.

Instrumental 15-0340 5 periods/week, ½ credit

An applied music course emphasizing the development of skills in the performance of guitar and folk literature. *Prerequisite:* Guitar I or demonstrated competence.

Band 15-0010 5 periods/week, 1 credit

Includes a sequential and systematic study of varied repertory with emphasis upon the development of ensemble and solo performance skills. Occasional public performances and performance in small ensembles are included. *Prerequisite:* Instrumental I or demonstrated competence.

Choir 15-0050 5 periods/week, 1 credit

This course includes a sequential and systematic study of varied repertory with emphasis upon the development of ensemble and solo performance skills. Occasional public performances and performance in small ensembles are included. *Prerequisite:* Vocal I or demonstrated competence.

OFFICE AND DISTRIBUTIVE OCCUPATIONS

Electives

Typewriting I, II
Occupational Technology
Bookkeeping I, II
Stenography I
Stenography II and Transcription
Office Practice I, II
Business Law
Business Economics
ABC Shorthand (Personal Use)
Distributive Occupations I, II
Data Processing I–RPG
Data Processing II–COBOL
Personal Use Typewriting
Business Mathematics

Electives

Typewriting I 14-0900 5 periods/week, 1 credit

Develops touch typewriting skill. Desired outcomes include the ability to type accurately at a minimum rate of thirty words per minute; to arrange letters, manuscripts, and tabulations in acceptable form; to proofread accurately; to compose messages at the typewriter; and to organize an efficient work station. *Required* for business majors.

Typewriting II 14-1910 5 periods/week, 1 credit

Aims to develop the typewriting skills to meet job entrance requirements. Emphasis is given to the production typewriting of correspondence, business forms, manuscripts, and statistical reports. Proofreading is stressed. At completion, students should demonstrate the ability to type at least forty words per minute for five minutes with at least 95% accuracy. *Required* for business majors. *Prerequisite:* Grade 11 or 12 standing.

Occupational Technology 14-2370 5 periods/week, 1 credit

Provides an opportunity to review and sharpen previously acquired office skills

prior to seeking employment. Spelling, punctuation, word usage, typewriting, and business arithmetic are reviewed. Training is given in applying for a job and preparing for the interview. Students are also taught telephone courtesy and techniques. Sample civil service tests are studied.

Bookkeeping I 14-1060 5 periods/week, 1 credit

Offers training in the basic principles of double-entry bookkeeping. Students learn the need for keeping records and the steps involved in the bookkeeping cycle.

Bookkeeping II 14-2070 5 periods/week, 1 credit

Continues the spiral sequence of recording business transactions and interpreting records of a double-entry bookkeeping system, begun in Bookkeeping I. Areas covered are partnership and corporation accounting, departmental and payroll accounting, the handling of depreciation and accruals, and types of accounting controls. Basic concepts of automation as it applies to record keeping and data processing terminology are also taught. *Prerequisite:* Bookkeeping I.

Stenography I 14-1180 5 periods/week, 1 credit

Intended to develop skill for those students who wish to qualify for stenographic positions. A good working knowledge of English grammar and a satisfactory skill in typewriting are required. Gregg Diamond Jubilee Shorthand is taught. All theory is presented during the first year. Upon completion, the student should be able to take dictation at the rate of sixty words per minute for three minutes with at least 95% accuracy.

Stenography II and Transcription 14-2810 10 periods/week, 2 credits

Scheduled in a two-period block with the same teacher. It involves development of ultimate skills (quality and quantity) in Gregg shorthand theory, dictation, and transcription on the typewriter. Special emphasis is placed on letters, office-style dictation, and English usage through constant stress on punctuation, composition, paragraphing, capitalization, spelling, and related skills. At completion the student should demonstrate ability to take shorthand at ninety words per minute for five minutes with at least 95% accuracy, and to transcribe at the rate of twenty words per minute. *Prerequisites:* Stenography I and Typewriting I.

Office Practice I 14-1350 5 periods/week, 1 credit

Office procedures with emphasis on the use of office machines and equipment. Some typical positions for which graduates will be qualified are clerk, clerk typist, receptionist, insurance clerk, inventory clerk, payroll clerk, bookkeeping machine operator, cashier clerk, bank teller trainee, and key punch trainee.

Office Practice II 14-2360 10 periods/week, 2 credits

Designed to advance basic skills learned in Office Practice I and to expand applications to other office machine areas, these being accomplished under laboratory conditions. *Prerequisite:* Office Practice I.

Business Law 14-2700 5 periods/week (1 semester), ½ credit

Covers the laws governing day-to-day personal and business transactions. The need for laws and the Maryland court system are studied.

Business Economics 14-2690 5 periods/week (1 semester), ½ credit

A study of how goods and services are provided in a free-enterprise system, and how the American system differs from that of other countries. The students study the interests and problems of economic growth, and the role of government.

ABC Shorthand (Personal Use) 14-2820 5 periods/week, 1 credit

A course in alphabetic shorthand designed for personal use. It is offered as an elective to academic students. It covers the principles of stenography, and it provides practice in reading notes and taking dictation.

Distributive Occupations I 04-1080 5 periods/week, 1 credit

Designed to serve the students who are planning for careers in marketing. The students will study the economics of distribution, employer-employee relations, consumer behavior, market research, advanced salesmanship, business organization, insurance, and investments. Coordinated work-study may be a part of this course.

Distributive Occupations II 04-2080 5 periods/week, 1 credit

Designed to meet the needs of individual school population. The student may elect to take the first semester for ½ credit or both semesters for one credit. Cooperative on-the-job training is required. *Prerequisite:* Distributive Occupations I.

Data Processing I – RPG 14-1600 5 periods/week, 1 credit

Designed to develop skills in coding, debugging, and executing programs in RPG (Report Program Generator) for business applications. The course work also covers the functional characteristics of the IBM 1130 Computing Systems including the input/output devices, the console panel, the disk monitor system, and disk storage concepts.

Data Processing II – COBOL 14-2620 5 periods/week, 1 credit

Designed to develop skills in coding, debugging, and executing programs in COBOL for business applications.

Personal Use Typewriting 14-9920 5 periods/week, 1 credit

Offers an opportunity to learn to type by the touch method. The keyboard is mastered and a speed of twenty-five or more words per minute may be required. Emphasis is placed on the personal use value of the typewriter in writing personal or personal-business correspondence, themes, invitations, and the like.

Business Mathematics 14-0010 5 periods/week, 1 credit

The division of whole numbers, common fractions, decimal fractions, mixed numbers, percentages, and measurements. These functions are applied by computing hours worked from time cards, calculating straight time, overtime, piece work, use of currency memos, currency slips, and payroll slips and checks.

PHYSICAL EDUCATION

Required

Introduction to Team Sports
12-9010 Male
12-9020 Female

Introduction to Individual Sports

Honors

Career Opportunities for Physical Education Majors (Honors)

Electives

Intermediate Physical Education
Advanced Physical Education

Required

Introduction to Team Sports 12-9010 Male, 12-9020 Female
5 periods/week (1 semester) *or* alternating day (all year), ½ credit

Emphasizes skills and basic strategies in a variety of team sports such as basketball, softball, and volleyball. Gymnastics and selected coeducational activities may also be included.

Introduction to Individual Sports 12-0050
5 periods/week (1 semester), ½ credit

Exposes students to a wide variety of individual activities, many of which may be enjoyed throughout life. At least three of the following activities and swimming will be included: archery, badminton, dance, golf, gymnastics, handball, paddle tennis or tennis, table tennis, track and field, weight training, and wrestling.

Honors

Career Opportunities for Physical Education Majors (Honors) 12-2060
5 periods/week, 1 credit

Fundamental instruction in several of the following areas: officiating, recreational leadership, skills analysis, coaching, treatment of injuries, values of physical education, teaching methods, and related sciences. Many of these topics will be presented in activity sessions. *Prerequisite:* approval of the physical education department.

Electives

Intermediate Physical Education 12-1050
5 periods/week (1 semester), ½ credit

The development of intermediate skills in one of the following areas of concentration, as specified by the Office of Physical Education: team sports, individual sports, dance, swimming, or gymnastics. Other physical activities may supplement the major area of emphasis. *Prerequisite:* Introduction to Individual Sports.

Advanced Physical Education 12-2050 5 periods/week (1 semester), ½ credit

The development of advanced skills in one of the following areas of concentration, as specified by the Office of Physical Education: team sports, individual sports, dance, aquatics, or gymnastics. *Prerequisites:* passing an intermediate course in the specific activity and/or consent of physical education department.

SCIENCE

Required	Electives
General Science	Biology I, II
	Ecosystems of the Chesapeake Bay
	Elementary Microbiology
	Chemistry I, II
Honors	Physical Science I, II
General Science (Honors)	Physics
Biology I, II (Honors)	Photography
Chemistry I, II (Honors)	Science, Man and Society
Physics (Honors)	Environmental Science

Required

General Science: Earth and Environmental Science 13-9010
5 periods/week, 1 credit

Includes the fundamental principles of time, space, and distance. The student will learn about the general geology of Maryland, its rocks, minerals, and other resources. Energy flow in the universe, man's use of energy, land use, and environmental health in an urban, social, and natural environment are also studied in the laboratory and field.

Honors

General Science: Earth and Environmental Science (Honors) 13-9020
5 periods/week, 1 credit

Includes the fundamental principles of time, space, and distance. The student will learn about the general geology of Maryland, its rocks, minerals, and other resources. Energy flow in the universe, man's use of energy, land use, and environmental health in an urban, social, and natural environment are also studied in the laboratory and field. Special emphasis will be provided for the development of individual projects and investigations.

Biology I (Honors) 13-0020 5 periods/week, 1 credit

A course in general biology designed for students with great interest in the biological sciences. It includes such topics as diversity among living things, ecological relationships, function of plants and animals, and man in the biosphere.

Biology II (Honors) 13-1010 5 periods/week, 1 credit

An examination of specific topics such as field ecology, growth, development, and behavior in animals, plant growth and development, and genetic continuity. This course addresses itself to the social consequences of our actions in attempting to solve the biological problems we face in living harmoniously on and with the planet Earth. This course is recommended for students with high interest in the biological sciences as a career.

Chemistry I (Honors) 13-1030 5 periods/week, 1 credit

Basic introduction to the principles of inorganic chemistry; includes such topics as elements and their families, chemical properties and reactions, the place of chemistry in our everyday lives, and career potential in the field. It treats the topics in greater depth and with more mathematical applications.

Chemistry II (Honors) 13-2020 5 periods/week, 1 credit

A year's offering for students who plan careers in the chemical field. It includes work in qualitative, quantitative, and biochemistry, giving basic concepts and laboratory techniques.

Physics (Honors) 13-2140 5 periods/week, 1 credit

The basic concepts of modern physics in a humanistic approach through such topics as: motion, mechanics, light and electromagnetism, and the atom and the nucleus. It is designed for the college preparatory student who is taking advanced mathematics courses.

Electives

Biology I 13-0010 5 periods/week, 1 credit

A general biology course designed for the college preparatory and job preparatory curricula. It includes such topics as the diversity among living things, ecological relationships, patterns in the biosphere, functioning plants and animals, and man in the biosphere. The course uses a laboratory, investigative approach requiring the use of the microscope and other simple scientific instruments.

Biology II 13-1000 5 periods/week, 1 credit

Specific topics such as field ecology, growth, development, and genetic continuity are examined. This course addresses itself to the social consequences of our actions in attempting to solve the biological problems we face in living harmoniously on and with the planet Earth. This course is recommended for students with high interest in the biological sciences as a career.

Ecosystems of the Chesapeake Bay 13-0240 5 periods/week (1 sem.), ½ credit

Includes a study of the relationships of the abiotic environment to the community of organisms in the Bay. Consideration will be given to the ecological implications of man's use of the Bay. *Prerequisite:* Biology I.

Elementary Microbiology 13-1110 5 periods/week, ½ credit

A laboratory-oriented course which covers the techniques involved in studying microorganisms, such as culturing, staining, counting, and identifying organisms. Skills in using special types of microscopes will be developed. This course may be taken concurrently with Biology I.

Chemistry I 13-1020 5 periods/week, 1 credit

The basic introduction to the principles of inorganic chemistry. Included are such topics as elements and their families, chemical properties and reactions, the place of chemistry in our everyday lives, and career potential in the field.

Chemistry II (Qualitative Analysis) 13-2010
5 periods/week (1 semester), ½ credit

A semester offering designed to examine the qualitative and analytical procedures used to define properties of metals and nonmetals. *Prerequisite:* Chemistry I.

Chemistry II (Introductory Biochemistry) 13-1230
5 periods/week (1 semester), ½ credit

A semester offering designed to study organic compounds as they relate to the life sciences and synthetics. *Prerequisite:* Chemistry I.

Physical Science I 13-1060 5 periods/week, 1 credit

Designed for students who wish to continue general studies in the physical sci-

ences. This course emphasizes the social implications of scientific problems. It includes such topics as matter and the environment, sound and light, energy and energy conversion, and hazards of the environment. *The course is not open to college preparatory students.*

Physical Science II 13-2030 5 periods/week, 1 credit

A second year study in the physical sciences which emphasizes the social implications of scientific problems. It includes such topics as atoms and their structure, chemical reactions, chemical pollutants, the planet Earth, and space science. *The course is not open to college preparatory students. Prerequisite:* Physical Science I.

Physics 13-2040 5 periods/week, 1 credit

The basic concepts of physics in a logical sequence through such topics as matter and energy, force and motion, heat, light and sound, and electricity and electronics.

Photography 13-0170 5 periods/week, 1 credit

An opportunity to learn principles of photography through practical activities. Offered in schools with a photography laboratory or darkroom facilities.

Science, Man and Society 13-0190 5 periods/week (1 semester), ½ credit

This course is designed to examine the interfaces of science and technology, man's decisions and their effects on society. Emphasis will be placed upon the interdisciplinary nature of science and social studies.

Environmental Science 13-0180 5 periods/week (1 semester), ½ credit

An examination of ecological communities with emphasis on the urban community, and the relationships that exist between science and other disciplines. Emphasis is placed on the ecological study of the school community.

SOCIAL STUDIES

Required

World Cultures
U.S. History

Honors

U.S. History (Honors)

Electives

Asian–Non-Western
Economics–Geography
World Geography
Non-Western World in 20th Century
Issues in the Media
The World Today
Economics
Urban Geography
Western World in 20th Century
Discovering Maryland
Survey of European History
Afro-American History to 1865
Black History since 1865
Political Science
Social Psychology
Sociology
Civic Experience
Political Thought
Contemporary Affairs
The Black Experience
Comparative Political and Economic Systems
Social Practicum

NOTE: Courses designated "Electives" will be offered only if there is a sufficient number of students to make up a class. Courses may be offered in either the 1st or 2nd semester depending upon the school's program and scheduling plan.

Required

World Cultures 10-9010 5 periods/week, 1 credit

Provides for the use of the skills of inquiry in a comparative study of differing world cultures (Middle East, Europe, Africa). Students develop a world view through their investigation of the social, political, and economic systems of varied world cultures.

U.S. History 10-0140 5 periods/week, 1 credit

Provides a thematic survey of United States history for all students. The four themes comprising the course encompass ethnic and racial pluralism, our political system, our participation in world affairs, and our technological development. Conceptual learning and skills (i.e., reading, speaking, writing, listening, etc.) development are emphasized.

Honors

U.S. History (Honors) 10-0160 5 periods/week, 1 credit

An intensive thematic survey of United States history. The four themes comprising the course encompass ethnic and racial pluralism, our political system, our participation in world affairs, and our technological development. Stressed are primary and secondary sources, variety of supplemental or resource readings, development of research projects, and full utilization of independent study.

Electives

Asian–Non-Western 10-0010 5 periods/week (1 semester), ½ credit

Provides an overview of Asian and non-Western societies in terms of political, economic, social, and cultural developments.

Economics–Geography 10-0020 5 periods/week (1 semester), ½ credit

Provides an overview of the close interrelationship between economics and geography. Factors of natural resources, supply and demand, and population are emphasized.

World Geography 10-0030 5 periods/week (1 semester), ½ credit

An overview of the major regions of the world as reflected in population composition, natural resources, physical location, and other social and demographic factors.

Non-Western World in 20th Century 10-0040
5 periods/week (1 semester), ½ credit

Emphasizes current political, social, economic, and cultural developments in non-Western nations (Japan, India, Vietnam, Nigeria, Ghana, etc.).

Issues in the Media 10-0050 5 periods/week (1 semester), ½ credit

Focuses on contemporary media topics; balance in relation to media concerns at the local, State, national, and international levels.

The World Today 10-0060 5 periods/week (1 semester), ½ credit

Emphasizes the major problems and challenges facing the world today. Attention

is also focused on attempts by groups and organizations (United Nations, etc.) to promote world peace.

Economics 10-0110 5 periods/week (1 semester), ½ credit

An overview of basic concepts (supply and demand, monetary cycle, free market operations, etc.) in economic education. Effort made to relate course to practical economic problems that confront students.

Urban Geography 10-0130 5 periods/week (1 semester), ½ credit

Develops the impact of cities upon man. Places into perspective a variety of urban-centered problems and offers possible solutions.

Western World in 20th Century 10-0070
5 periods/week (1 semester), ½ credit

Overview of major current, political, economic, and social issues confronting the principal Western powers (United States, Great Britain, Soviet Union, France, People's Republic of China).

Discovering Maryland 10-0090 5 periods/week (1 semester), ½ credit

Overview of principal phases of Maryland's historical development as a state. Emphasis on past and present personalities and events that have assisted the development of Maryland.

Survey of European History 10-0260 5 periods/week (1 semester), ½ credit

General overview of the political, economic, social, and cultural factors that influenced European nations in their rise to power.

Afro-American History to 1865 10-1240
5 periods/week (1 semester), ½ credit

Survey of social, political, and economic issues confronting Black Americans beginning with the African slave trade and continuing through the Civil War. Comparative analysis of past and current events.

Black History since 1865 10-2250 5 periods/week (1 semester), ½ credit

Survey of the social, political, and economic advances made by Blacks following the Civil War and the problems that remain. Emphasis on current development.

Political Science 10-2030 5 periods/week (1 semester), ½ credit

An overview of the role and functions of local, State, and national governments. Current issues are emphasized.

Social Psychology 10-2040 5 periods/week (1 semester), ½ credit

Survey of social and cultural societal pressures. Concepts of identity, values clarification, group interaction, and conflict resolution are emphasized. Primary emphasis is on current developments.

Sociology 10-2050 5 periods/week (1 semester), ½ credit

Survey of major sociological principles and concepts (family, folkways, mores, ethnocentrism, etc.). Emphasizes current issues.

Civic Experience 10-2090 5 periods/week (1 semester), ½ credit

Provides an opportunity to utilize theory in a practical manner. Field experiences and class activities emphasize contemporary events affecting all levels (i.e., local, State, national) of government.

Political Thought 10-2110 5 periods/week (1 semester), ½ credit

Survey of the major political ideas affecting our form of government. Attention is given to Montesquieu, Voltaire, Locke and other political theorists. Major emphasis is on current political developments.

Contemporary Affairs 10-2120 5 periods/week (1 semester), ½ credit

Emphasizes contemporary social, political, economic, and cultural developments.

The Black Experience 10-2140 5 periods/week (1 semester), ½ credit

A critical examination of some of the major contemporary social, economic, and political problems that impinge on Black Americans.

Comparative Political and Economic Systems 10-2160
5 periods/week (1 semester), ½ credit

A comparative study of political and economic systems (Great Britain, Soviet Union, etc.). Contemporary issues are stressed.

Social Practicum (Field Experience) 10-2300
5 periods/week (1 semester), ½ credit

Emphasizes a field experience. Involvement in political campaigns, working in a municipal office, or some other approved field experience.

NOTE: Students are required to complete two of the aforesaid courses that stress current issues and the actions of local, State, and national governments to satisfy minimum requirements in social studies education.

OTHER PROGRAMS

Cultural Enrichment

Cultural enrichment activities for secondary schools combine the elements of the arts and the humanities in an interdisciplinary program.

Offerings in music, art, dance, drama, foreign languages, and the humanities will be designed with the help of live professional experiences in the arts to enrich curricula utilizing central themes; for example, Man as Builder, Thinker, and Explorer.

Job Experience

Each school (except #403 and #1) offers work experience programs.

Work Study

The work study program bridges the gap between school and work by providing an opportunity for the student to make practical application of the skills being acquired in school. It is recommended for all students who have developed a marketable skill in their chosen occupations.

Here are two examples of how this program operates. Students in office occupations work in pairs. One member of the team works on the job for one week while his partner is in school. The following week his partner goes out on the job and he attends classes in school. Students in distributive occupations usually work in the afternoon and attend school in the morning.

Work Study Program in Comprehensive Schools

The program begins in Grade 12.

The student is on the job full time, every other week.

Two students share one job.

The program is mainly for students in business programs.

The job is related to school courses.

A student who wishes to participate in the program must:

- –have an average of 70 or better
- –have good attendance
- –have habits of punctuality
- –get recommendations from his or her teachers
- –have the ability to work well with others
- –complete U.S. History in Grade 11
- –have permission of the principal

Work Study Program in Vocational-Technical Schools

The program begins in Grade 12.

The student attends school a half day and works on the job during the other half.

The job must be related to the student's trade.

A student who wishes to participate in the program must:

- –get recommendation from the shop head
- –be passing *all* major subjects
- –have permission of the principal

Work Experience

The work experience program is structured to provide the twelfth grade student with an on-the-job experience which will help to expand school-acquired knowledge and skills under actual working conditions. Job information, company requirements, labor demands, employee tests, procedures and guidelines for proper conduct during interviews, appointment making, and completion of applications are some of the aspects of this program.

Work Experience in Comprehensive Schools

Students may begin this program in Grade 11 if these conditions are present:

- –there is financial need
- –the student is continuing in a job which he or she has had

The school schedule is shorter.

There is a sixteen hour work week (maximum).

The program is open to all students.

A student who wishes to participate in the program must:

- –have an average of 70 or better
- –have good attendance
- –have habits of punctuality

–get recommendations from his or her teachers

–have permission of the principal

Programs Included in Some Comprehensive Schools

Programs listed below have been developed at certain schools. Students who are interested in these programs should consult with their counselors after checking the offerings at their own zoned comprehensive schools.

–Communications Media

–Construction Trades

–Music Careers

–Urban and Metropolitan Studies

–Science Careers

–Child Care

citywide high schools

Students whose needs cannot be met in their zoned schools will be allowed to apply for programs at citywide schools. Students meeting entrance requirements for programs offered at the citywide schools may apply for admission through the Office of Student Placement.

The following schools are citywide schools. Students are admitted on the basis of the criteria listed on the following pages.

Baltimore Polytechnic Institute–Senior High School (#403)
1400 West Cold Spring Lane 21209
396-7026

Carver Vocational-Technical Senior High School (#454)
2201 Presstman Street 21216
396-0553

Paul Laurence Dunbar Senior High School (#414)
1400 Orleans Street 21205
396-9608

Mergenthaler Vocational-Technical Senior High School (#410)
3500 Hillen Road 21218
396-6496

Western Senior High School (#407)
4600 Falls Road 21209
396-7040

The following programs are available at citywide schools:

The A-Course–An advanced college preparatory program beginning at the ninth grade level.

–requires all honors courses [Western]

–a pre-engineering course [Poly]

The B-Course–A college preparatory program beginning at the tenth grade level. [Western] The "B" Course is also a pre-engineering course. [Poly]

The T-Course–A program for students who wish to prepare for industrial occupations related to pre-engineering. [Poly]

The Vocational-Technical Courses–A wide variety of programs directed toward preparation in the skilled trades and occupations for students who have completed the ninth grade. Students selecting this area must have achieved competence in reading and arithmetic in order to ensure success in passing the examinations necessary for those jobs which are taken when a vocational-technical course is completed.

Only those students with interest and aptitude in the areas of skilled trades and occupations should apply for a program in these courses. [Carver–Mergenthaler] See "Trade and Industry," p. 46.

The Health Careers Program–A program beginning at Grade 10 for students who wish to pursue a college preparatory or a job preparatory program. Programs of study are available in areas such as medical assistant, dental assistant, medical secretary, presurgical technician, practical nurse, and community health assistant. Field experiences in health careers are given to qualified students in connection with local hospitals. [Dunbar]

General Vocational High Schools

Students who have special vocational interests or who find that courses in the Vocational-Technical program are not suited to their interests and abilities may apply for the job preparatory program at the following schools:

Jane Addams Vocational Junior-Senior High School (#296)
2300 North Charles Street 21218
396-6462

Fairmount Hill Junior-Senior High School (#453)
100 North Ann Street 21231
396-9286

Samuel Gompers Junior-Senior High School (#298)
1701 East North Avenue 21213
396-9253

Houston-Woods Junior-Senior High School (#181)
1601 North Calhoun Street 21217
396-0830

Woodrow Wilson Junior-Senior High School (#294)
1820 Hollins Street 21223
396-1380

Programs offered at these schools may include food service, general wood shop, auto mechanics, nurse's aide, shoe repair, industrial sewing, painting and decorating, electrical wiring, business, and others.

Students requiring exceptional curriculum programs that are not available at zoned comprehensive schools will be admitted to programs at the following schools:

Alicia Crossland School (#17)
200 East North Avenue 21202
396-1590

Venable Junior-Senior High School (#115)
700 East 34th Street 21218
396-6478

Carroll Park Junior High School (#9)
1300 Herkimer Street 21223
396-1480

Francis M. Wood Junior High School (#176)
1701 East North Avenue 21213
396-0786

Joseph C. Briscoe Junior High School (#451)
506 West Biddle Street 21201
396-0770

Harbor City Learning Center (#413)
100 West 23rd Street 21218
396-7090

Edgar Allan Poe (#1A)
1205 Cathedral Street 21201
396-1575

BALTIMORE POLYTECHNIC INSTITUTE, PRE-ENGINEERING

A-Course

Criteria for application for admission to the A-Course, an accelerated program which enables a student to complete five years of work in *four* years (Grades 9-12) and enter certain colleges at the sophomore level if his average is 80 or above, include:

–a general average of 85 or above in Grades 7 and 8

–a reading level at least one year above grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level at least one year above grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an average of at least 85 in seventh and eighth grade mathematics

–an average of at least 85 in seventh and eighth grade science

–a recommendation from the junior high school counselor or principal attesting to the fact that the student has demonstrated potential for intellectual curiosity and for intensive and prolonged periods of study and self-application

–evidence of good attendance and punctuality

B-Course

Criteria for application for admission to the B-Course, an engineering-, mathematics-, science-oriented program in Grades 10-12, include:

–a general average of 80 or above in Grades 8 and 9

–an average of 80 or above in mathematics for Grades 8 and 9

–an average of 80 or above in science for Grades 8 and 9

–a reading level at grade level or above on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level at grade level or above on the most recent Iowa Test of Basic Skills or an equivalent test

–a grade of at least 80 in Algebra I taken in Grade 9

–a grade of at least 70 in Mechanical Drawing taken in Grade 9

–a grade of at least 70 in French, German, or Spanish taken in Grade 9

–evidence of good attendance and punctuality

T-Course

Criteria for application for admission to the T-Course, a shop-, pre-engineering-, technical-, mathematics-, and applied science-oriented program in Grades 10-12, include:

–a general average of 70 or above in Grades 8 and 9

–an average of 70 or above in mathematics for Grades 8 and 9

–an average of 70 or above in science for Grades 8 and 9

–an average of 70 or above in industrial arts and mechanical drawing courses taken in Grades 8 and 9

–a reading level not more than one year below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level not more than one year below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–evidence of good attendance and punctuality

—CARVER VOCATIONAL-TECHNICAL— AND MERGENTHALER VOCATIONAL-TECHNICAL HIGH SCHOOLS

Technology Programs

Criteria for application for admission to the air conditioning, drafting, industrial electronics, and practical nursing programs include:

–a general average of 75 or above in Grades 8 and 9

–a reading level not more than six months below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level not more than one year below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an average of at least 70 in eighth and ninth grade mathematics

–an average of at least 70 in eighth and ninth grade science

–evidence of good attendance and punctuality

Vocational-Technical Programs

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Criteria for application for admission to the automobile mechanics, cabinetmaking, carpentry, cosmetology, diesel mechanics, electrical construction and maintenance, machine shop, printing, and radio and television service programs include:

–a general average of 70 or above in Grades 8 and 9

–a reading level not more than one year below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level not more than one year below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–evidence of good attendance and punctuality

Advanced Business Education Programs

Criteria for application for admission to the stenography, data processing, and bookkeeping programs include:

–a general average of 70 or above in Grades 8 and 9

–a reading level no more than one year below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level no more than one year below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–evidence of good attendance and punctuality

Business Education Programs

Criteria for application to the general office clerk, distributive education, and key punch operations include:

–a reading level no more than 1.5 years below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level no more than 1.5 years below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–evidence of good attendance and punctuality

Trade Programs

Criteria for application for admission to the automobile body and fender, commercial art, brick masonry, commercial baking*, commercial foods*, needle trades, dry cleaning and pressing**, and welding** include:

–a reading level no more than 1.5 years below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level no more than 1.5 years below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–evidence of good attendance and punctuality

*Health examinations are required.

**Student applicants for Dry Cleaning and Welding should be free from chronic respiratory diseases and illnesses.

GENERAL VOCATIONAL PROGRAMS

Criteria for application for admission to the General Vocational Programs include:

–a reading level of fourth grade or above on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level of fourth grade or above on the most recent Iowa Test of Basic Skills or an equivalent test

–demonstrated ability to adjust to a complex environment

DUNBAR HIGH SCHOOL, HEALTH CLUSTER

Health Professions Program

Criteria for application for admission to this health-oriented program in Grades 10-12 include:

–a general average of 80 or above in Grades 8 and 9

–an average of 80 or above in mathematics for Grades 8 and 9

–an average of 80 or above in science for Grades 8 and 9

–a reading level at grade level or above on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level at grade level or above on the most recent Iowa Test of Basic Skills or an equivalent test

–evidence of good attendance and punctuality

Health Occupational Clusters Program

Criteria for application for admission to this program in Grades 10-12, a health-oriented program for careers not requiring a college degree, include:

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–a general average of 75 or above in Grades 8 and 9

–a reading level not more than one year below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level not more than one year below grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–evidence of good attendance and punctuality

WESTERN HIGH SCHOOL

A-Course

Criteria for application for admission to the A-Course, an accelerated program which enables a student to complete five years of work in *four* years in Grades 9-12 and enter certain colleges at the sophomore level if her average is 80 or above, include:

–a general average of 85 or above in Grades 7 and 8

–a reading level at least one year above grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level at least one year above grade level on the most recent Iowa Test of Basic Skills or an equivalent test

–an average of at least 85 in seventh and eighth grade mathematics

–a recommendation from the junior high school counselor or principal attesting to the fact that the student has demonstrated potential for intellectual curiosity and for intensive and prolonged periods of study and self-application

–evidence of good attendance and punctuality

B-Course

Criteria for application for admission to the B-Course program in Grades 10-12 include:

–a general average of 80 or above in Grades 8 and 9

–a reading level at grade level or above on the most recent Iowa Test of Basic Skills or an equivalent test

–an arithmetic level at grade level or above on the most recent Iowa Test of Basic Skills or an equivalent test

–an average of at least 80 in eighth and ninth grade mathematics

–a recommendation from the junior high school counselor or principal attesting to the fact that the student has demonstrated potential for intellectual curiosity and for intensive and prolonged periods of study and self-application

–evidence of good attendance and punctuality

PROGRAMS FOR EXCEPTIONAL CHILDREN

Schools for Exceptional Children

Children who have an IQ of 70 or below, who read below the fourth grade level, and who require special school placement for reasons of social and behavioral adjustment will be enrolled in programs at exceptional curriculum schools.

School for the Physically Handicapped

Any child may attend who has a physical or orthopedic disability so severe that he is unable to function adequately in the regular classroom.

Criteria for Admission to Zoned Comprehensive High Schools

Exceptional children with IQs under 70 who read at or above the fourth grade level should be assigned to self-contained exceptional curriculum and resource programs in comprehensive high schools by zone.

Exceptional children with IQs above 70 will be enrolled in comprehensive high schools in the regular curriculum.

Criteria for Admission to Programs at Citywide Schools

Exceptional children may apply to any citywide program for which they qualify.

TRADE AND INDUSTRY

The following trade and industry programs are offered in the citywide, vocational-technical high schools. Some programs are offered in the general vocational high schools and in schools for exceptional children.

NOTE: Discuss your interest in a trade and industry program with your counselor.

Air Conditioning 17-0000 10 or more periods/week, 2 credits/year

Provides shop and classroom experiences which will enable the student to become proficient in the installation, repair, and maintenance of domestic and commercial air conditioning systems. Included is instruction in the theory and application of basic principles involved in conditioning of air—cooling, heating, and filtering, and controlling humidity. *This is a 2-3 year program.*

Auto Body and Fender 17-0030 10 or more periods/week, 2 credits/year

Covers the tasks performed by the automobile body repairman. It offers experiences in straightening bent frames, removing dents from fenders and body panels, welding torn metal, filling dents, surface preparation by grinding and/or sanding, painting, and replacing badly damaged parts and trim.

Auto Mechanics 17-0060 10 or more periods/week, 2 credits/year

Provides learning experiences concerned with the maintenance, repair, and/or replacing of various components of the automobile—the engine, transmission, steering, brakes, and electrical system. The program also includes training in the use of diagnostic and testing equipment. *This is a 2-3 year program.*

Automobile Service Station Attendant 17-9040
10 or more periods/week, 2 credits/year

Covers the tasks performed by workers in retail and wholesale establishments

engaged in the distribution of automotive petroleum products. Included in these tasks are tire changing and repair, wheel balancing, car washing, battery charging, windshield wiper replacement, oil changing, and minor automotive engine tune-up, repair, and replacement jobs. *This is a 2-3 year program.*

Baking 17-0700 10 or more periods/week, 2 credits/year

Provides classroom and practical work experiences associated with the preparation of bread, cakes, pies, pastries, and other bakery products. Instruction includes making, freezing, and handling baked products; decorating; counter display; and packaging. Related instruction includes the science of ingredient mixing, fermentation, baking processes, formula balance, merchandising, and baking experimentation. *This is a 3 year program.*

Barbering 17-0600 10 or more periods/week, 2 credits/year

Provides at least 1,200 hours of classroom and practical experiences concerned with hair cutting and styling, shaving, shampooing, and massaging. Emphasis is placed on hygiene, skin and scalp diseases, and sterilization of instruments and utensils. Upon satisfactory completion of the course, the student is eligible to take the apprenticeship examination leading to full licensure as a barber. *This is a 3 year program.*

Building Maintenance 17-9140 10 or more periods/week, 2 credits/year

Provides instruction in the basic skills needed to keep the physical structure of an office building, factory, apartment house, or similar structures in good repair. The program provides experiences in painting, carpentry, plumbing, floor repair, electrical wiring, and other areas where maintenance and minor repairs are usually performed. *This is a 2-3 year program.*

Business Machine Maintenance 17-0360
10 or more periods/week, 2 credits/year

Provides classroom and shop experiences concerned with the maintenance and repair of a variety of office machines such as typewriters, dictation machines, and calculators. Instruction includes diagnostic techniques, understanding of mechanical principles, nomenclature, uses and care of special hand and power tools, soldering, principles of electronics, and use of testing devices. *This is a 3 year program.*

Carpentry 17-0180 10 or more periods/week, 2 credits/year

Provides classroom and shop experiences involving layout, fabrication, assembly, installation, and repair of structured units. Instructional units emphasize the care and use of hand and power tools, of equipment and materials; common systems of frame construction and the principles involved; and drafting, blueprint reading, applied mathematics, and materials estimating. *This is a 2-3 year program.*

Child Care 17-0900 10 or more periods/week, 2 credits/year

Provides classroom and practical experiences concerned with the care of the preschool age child. A real-life laboratory of young children provides the source for observation and planning of the child's daily nursery school type activities. The program of instruction is designed to prepare the enrollee as aides or helpers in public and private nursery schools, day-care centers, and kindergartens. *This is a 2-3 year program.*

Commercial Art 17-0430 10 or more periods/week, 2 credits/year

Provides learning experiences which include theory, laboratory, and shopwork as they are related to the design, layout, illustration, and finished product for adver-

tising; signs, displays, and other areas of visual communication. Instruction includes advertising theory, poster design, fashion illustration, commercial lettering, sign painting, silk screen, air brush technique, color dynamics, package and product design, drawings for line and half-tone reproduction, and other display devices and exhibits. *This is a 3 year program.*

Cosmetology 17-0610 10 or more periods/week, 2 credits/year

Offers the 1,500 hours of instruction and practice required to qualify for the State Board of Cosmetologists licensure examination. Instruction is provided in manicuring, shampooing, hair cutting, finger waving, permanent waving, hair styling, tinting, scalp treatments, facials, wiggery, hair pressing, chemical relaxing, and the theory of cosmetology. Hygiene, sanitation, salon management, and customer relations are also emphasized. *This is a 3 year program.*

Dental Laboratory Technology 07-0100
10 or more periods/week, 2 credits/year

Is designed to provide a combination of subject matter and experiences needed to develop the basic skills needed to work in a dental laboratory. The making of dentures, partials, bridges, and other types of dental prostheses are included in the practical experiences of the program. *This is a 2-3 year program.*

Diesel Mechanics 17-0080 10 or more periods/week, 2 credits/year

Provides classroom and shop experiences concerned with all phases of repair work on diesel engines used to power buses, trucks, electrical generators, construction machinery, and similar equipment. Instruction provided in diagnosis of malfunction; disassembly of engines and examination of parts; reconditioning and replacement of parts; repair and adjustment of fuel injection systems, oil and water pumps, generators, governors, controls, and transmissions. *This is a 3 year program.*

Drafting 17-0110 10 or more periods/week, 2 credits/year

Provides learning experiences concerned with planning, preparing, and interpreting mechanical, architectural, structural, topographical, and other drawings and sketches. Instruction is designed to provide experiences in drawing; the use of reproduction materials, equipment, and processes; and the development of models. *This is a 2-3 year program.*

Dressmaking 17-0500 10 or more periods/week, 2 credits/year

Provides classroom and laboratory experiences concerned with the construction, alteration, and fitting of women's apparel. Instruction includes sketching; style, line, and color in fashion design; patternmaking; cutting fabric to patterns, draping; machine and handstitching; altering finished garments; and classification, identification, and selection of fabrics. *This is a 3 year program.*

Dry Cleaning 17-0590 10 or more periods/week, 2 credits/year

Is designed to give a thorough knowledge of dry cleaning, spotting, and pressing of garments, slip covers, and other articles of wool, silk, and non-washable fabrics. Emphasis is placed on the use, repair, and care of tools and equipment—steam spotting boards, pressing machines, dry cleaning, and wet cleaning machines. *This is a 3 year program.*

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Electrical Appliance Repair 17-0330
10 or more periods/week, 2 credits/year

Provides classroom and shop experiences concerned with the theory of electrical circuitry, simple gearing, linkages, and lubrication in the operation, maintenance,

and repair of appliance components. These would include relays, time switches, pumps and agitators used in appliances such as washers, dryers, vacuum cleaners, water heaters, and ranges. *This is a 2-3 year program.*

Electricity (Construction and Maintenance) 17-9320
10 or more periods/week, 2 credits/year

Provides classroom and shop experiences concerned with the layout, assembly, installation, testing, and maintenance of electrical fixtures, apparatus, and wiring used in electrical systems. Instruction is provided in the reading, interpretation, and industrial wiring based on electrical code.

Electricity/Electronics 17-0300 10 or more periods/week, 2 credits/year

Provides classroom and laboratory experiences concerned with the construction of circuits using various components, identification of the circuit function and coupling of electronics circuits to form a unit such as radio, television, or electronic test equipment. *This is a 2-3 year program.*

Floor Covering 17-0190 10 or more periods/week, 2 credits/year

Is designed to give the student experiences and knowledge of the basic fundamentals of laying resilient floor coverings and carpeting. Areas of instruction covered in this program are installation tools and their proper use; sub-floor preparation; underlayments and padding; tile design layout; tile, sheet goods, and carpeting installation; and floor covering maintenance. *This is a 2-3 year program.*

Food Preparation and Service 17-0720
10 or more periods/week, 2 credits/year

Provides experiences needed to prepare a student for one of the following food service jobs: kitchen helpers, waiters/waitresses, tray girls, serving line workers, counter servers. *This is a 2-3 year program.*

Horticulture 17-0150 10 or more periods/week, 2 credits/year

Provides classroom and practical experiences which are concerned with ornamentals—identification, propagation, growth, and care; and the maintenance of turf, plants, shrubs, or devices for the beautification of building grounds and recreational areas. *This is a 2-3 year program.*

Industrial Electronics 16-0950 10 or more periods/week, 2 credits/year

Provides classroom, laboratory, and practical experiences concerned with the basic elements of circuitry; using and servicing testing equipment and trouble-shooting circuits; the study of and experience in repairing photoelectric controls, timers, selector switches, counters, recorders, and transducers; and the study of the characteristics and intricacies of equipment and components used in industry and research centers. More advanced instruction includes study, analysis and repair of magnetic amplifiers, motors, motor controls, electronic heating, pulse circuits, and test instruments. *This is a 3 year program.*

Industrial Sewing 17-0510 10 or more periods/week, 2 credits/year

Provides instruction in the quantity production techniques of clothing, slip covers, draperies, and other mass-produced cloth items as practiced in factories. Practical experiences are given in operating, with speed and accuracy, the machines used in industrial establishments. These would include the single needle, double needle, blindstitch, serging, and button-hole machines. *This is a 2-3 year program.*

Machine Shop 17-9810 10 or more periods/week, 2 credits/year

Provides classroom and shop experiences concerned with all aspects of shaping

metal parts. Instruction involves making computations relating to work dimensions, tooling, feeds, and speeds of machining. Also emphasized are: work on the bench and on lathes, shapers, milling machines, grinders, and drills; uses of precision measuring instruments such as layout tools, micrometers, and gauges; methods of machining and heat treatment of various metals; blueprint reading; and the layout of machine parts. *This is a 3 year program.*

Machine Tool Operations 17-0820 10 or more periods/week, 2 credits/year

Provides classroom and shop experiences concerned with the proper use of hand and power tools used in a machine shop. Included are the lathes, milling machines, drill presses, band and hack saws, grinders, and shapers. Special emphasis is placed upon the basic mathematics needed for precision measurement and the operation of the various machine tools. *This is a 2-3 year program.*

Millwork and Cabinetmaking 17-0170
10 or more periods/week, 2 credits/year

Includes training in cutting and shaping furniture and cabinet parts, using hand tools and woodworking machines, assembly methods, wood finishing, and hardware installation. Related instruction includes drafting, blueprint reading, and the study of woods. Veneering, inlaying, carving, and furniture repair are also important segments of the course. *This is a 2-3 year program.*

Nursing Assistant 07-0310 10 or more periods/week, 2 credits/year

Offers classroom and practical application in simple nursing procedures: routine hospital care to the bed patient, correct methods of handling a patient, taking of temperatures, pulse, and respiration count. In addition, the principles of asepsis and hospital routine are part of the instructional package. *This is a 2-3 year program.*

Painting and Decorating 17-9200 10 or more periods/week, 2 credits/year

Provides classroom and shop experiences concerned with the preparation and finishing of exterior and interior surfaces by the application of protective or decorative coating materials such as lacquer, paint, and wallpaper. Instruction includes experiences in scraping, burning, or sanding surfaces; making, mixing, and matching paints and colors; and applying coating with brush, roller, or spray gun, or by cutting, pasting, and hanging wallpaper. *This is a 2-3 year program.*

Plumbing 17-0220 10 or more periods/week, 2 credits/year

Offers classroom and shop experiences concerned with the layout, assembly, installation, alteration, and repair of piping systems including related fixtures and fittings. Instruction covers the use of the following: pipe cutting, bending, and threading tools; welding, soldering, and brazing equipment; and other hand and power tools and equipment. *This is a 2-3 year program.*

Practical Nursing 07-0300 10-20 periods/week, 2-4 credits/year

Prepares students to meet the educational requirements for licensure as a practical nurse. Students will engage in classroom and patient-care experiences in community health agencies. Admission requirements include reading and mathematical proficiency and recommendations by selected teachers and counselor. *This is a 3 year program.*

Print Shop Finishing 17-0440 10 or more periods/week, 2 credits/year

Provides shop experiences concerned with the gathering of pages, forms, and related materials and assembling them into books and pamphlets using staple,

plastic comb, or spiral binding; padding, punching, or drilling printed materials; and packaging. *This is a 2-3 year program.*

Quantity Foods Operations 17-9710 10 or more periods/week, 2 credits/year

Offers a broad knowledge of foods, food purchasing, cooking, serving, menu planning, and record keeping. In addition, the study of nutrition and food chemistry is emphasized. *This is a 3 year program.*

Radio and Television Repair 17-0350 10 or more periods/week, 2 credits/year

Provides specialized theory and practice which are concerned with the construction, maintenance, and repair of radios and television sets. Training also prepares students to diagnose troubles and make repairs on other electronic products, such as high fidelity sound equipment, phonographs, and tape recorders. *This is a 2-3 year program.*

Shoe Repairing 17-9550 10 or more periods/week, 2 credits/year

Provides classroom and shop experiences concerned with the repair of footwear. Instruction emphasizes types and care of shoes; kinds and uses of tools and machines; shoe construction; shoe repairing, including replacement of worn parts, such as heels and soles, and sewing parts that need mending; orthopedic shoemaking and repair; and leather refinishing and dyeing. Repairing of other leather articles, such as handbags, luggage, and belts may be part of the instructional program. *This is a 2-3 year program.*

Tailoring 17-0520 10 or more periods/week, 2 credits/year

Offers specialized learning experiences concerned with the fabrication and alteration, by hand and machine, of outer garments. Instruction includes taking measurements; cutting, sewing, and fitting; hand and powered machine sewing; hand and machine pressing; and making repairs and alterations, according to patterns and designer's specifications. *This is a 3 year program.*

Upholstering 17-0570 10 or more periods/week, 2 credits/year

Gives the students classroom and shop experiences concerned with all aspects of upholstering furniture, automobile seats, mattresses, and bedsprings. Instruction includes history and styles of furniture; installing, repairing, arranging, and securing springs, filler, padding, and covering material; patternmaking; cutting, sewing, and trimming; outside covering; cushion filling; styling and designing; tufting and buttoning; and minor wood refinishing. *This is a 2-3 year program.*

Valet Services 17-0560 10 or more periods/week, 2 credits/year

Provides instruction in the various tasks accomplished in the day-to-day operation of a dry cleaning and pressing, or valet shop. Practical experiences are given in the repair and alteration of clothing; the use of power sewing machines to replace zippers, cuff pants, hem garments, and other hand sewing; and the use of steam pressing equipment. *This is a 2-3 year program.*

Welding 17-0270 10 or more periods/week, 2 credits/year

Covers the basic operations involved in all types of metal welding, brazing, and flame cutting. The use of gas, arc, and other electric welding equipment to weld parts as specified by drawings, blueprints, or written specifications is stressed. Instruction also is given in inert-gas shielded arc welding with manually operated torch and semi-automatic gun. *This is a 3 year program.*

Woodworking Occupations 17-0750 10 or more periods/week, 2 credits/year

Offers classroom and shop experiences concerned with woodworking occupations

(other than construction carpentry). Instruction emphasizes laying out and shaping stock; assembling complete wooden articles or sub-assemblies; marking, bending, sawing, carving, and sanding wood products; and repairing wooden articles. *This is a 2-3 year program.*

points on planning

GET IT ALL TOGETHER!

On p. 57 is a worksheet. You and your parents can use this to plan your school program.

Bring your booklet with you when you see your counselor to plan next year's program.

In using the worksheet to plan your program, remember the following:

The worksheet is only a guide. It can be changed to meet your needs and goals.

Certain subjects are required for graduation. Refer to pages 6 and 7

The worksheet has two columns under each grade. The first column is for the course title; the second column is for the course number.

If you are *now* in Grade 9, 10, or 11, you must have at least 18 credits checked. See your counselor about this.

If you are going to enter Grade 9 in September 1975, you must have at least 20 credits checked. See your counselor about this.

YOU AND YOUR PROGRAM

We in the Baltimore City Public Schools feel that career and college goals can be met in any high school to which you are assigned. If you, your parent, and your counselor have reason to seek a change of school, your request will be handled by the Office of Student Placement. You must know the following:

–your reason for wanting to change

–the courses you have had relating to your program

–the definite program you are seeking in a new school

–the criteria for admission if the school is citywide

THE OFFICE OF STUDENT PLACEMENT

–receives applications and assigns qualified students to the citywide senior high schools

–receives all applications for transfer, approves or disapproves these requests on the basis of School Board policies, and makes appropriate assignments

–receives all applications from students entering the Baltimore City Public Senior High Schools from other school systems and assigns students on the basis of School Board policies

–collects information on courses that do not have many students for use in student placements

1. Plan your program to fit your career goals!

2. Know your competencies or skills.

3. Talk with your parents.

4. Seek the advice or help of your teacher and counselor.

Glossary

Curriculum — the sum total of all educational experiences under the control of the school; the total offerings of a school.

Subject — discipline, department of study; i.e., history, foreign language, English.

Course — any one of the offerings of a specific subject field; for example, *Drawing and Painting* is a course in the subject of *art; Algebra I* is a course in the subject of *mathematics.* A topic organized to develop a specific set of skills relating to a subject.

Zone — a group of census tracts around which the Department of Education has drawn an attendance line to adhere to HEW guidelines for school enrollments.

Exceptional students — students who because of the nature of a physical, mental, or emotional condition are currently serviced by the Area of Exceptional Children of the Department of Education. This area also includes students who are gifted.

Citywide high schools — those high schools open to students in the entire city. These students must meet specific educational guidelines for admission.

Program — a selection of courses from a series of subject fields. These courses best meet a student's needs in moving toward a specific educational goal.

Your Worksheet

Subjects	9th Grade		10th Grade		11th Grade		12th Grade	
	Course Title	Course Number	Course Title	Course Number	Course Title	Course Number	Course Title	Course Number
Required								
English	*		*		*		*	
Mathematics	*		*					
Science	*		*					
Social Studies	*		*		*			
Physical Education†								
Electives								
Art								
Driver Education								
Foreign Languages								
Health Education								
Home Economics								
Industrial Arts—Trade and Industry								
Music								
Office and Distributive Occupations								
Other								

*Courses required for graduation.
†For students now in Grades 9, 10, and 11, one credit of physical education must be completed prior to graduation.
For students entering Grade 9 in September 1975, a physical activity program will be required each year.

1. **PUPIL NAME** *(Last Name, Skip One Space, First Name, Skip One Space, Middle Initial):*

2. **TELEPHONE NUMBER**

3. **PUPIL ADDRESS** *(Include apt. no. and zip code):*

4. **GRADE/SECTION**

5. **CURRENT SCHOOL**

6. **PUPIL NUMBER** *(Use automated number)*

7. **ZONED SCHOOL**

8. **RACE AND SEX** *(Check appropriate box)*

- A Black Female
- B Black Male
- C White Female
- D White Male
- E Asian American Female
- F Asian American Male
- G American Indian Female
- H American Indian Male
- J Spanish Surnamed Female
- K Spanish Surnamed Male
- M Other Female
- N Other Male

PLEASE COMPLETE THE REQUIRED INFORMATION FOR THE SCHOOL FOR WHICH YOU ARE APPLYING

CITYWIDE SCHOOLS AND THEIR PROGRAMS

SAMPLE

403 BALTIMORE POLYTECHNIC INSTITUTE

Program Choice:
1 A-Course
2 B-Course
3 T-Course

407 WESTERN SENIOR HIGH

Program Choice:
1 Health Professions
2 Health Occupational Clusters

410 MERGENTHALER VOCATIONAL-TECHNICAL

Program Choice:
1 Technology
2 Vocational-Technical
3 Business and Distributive Education
4 Trades

Program Requested:

4[ ]4 CARVER VOCATIONAL-TECHNICAL

Program Choice:
1 Technology
2 Vocational-Technical
3 Business and Distributive Education
4 Trades

Program Requested:

FOR USE BY OFFICE OF STUDENT PLACEMENT ONLY:

Eligible Ineligible Waiting List Assigned School

Recorder's Signature

Baltimore City Public Schools

OFFICE OF STUDENT PLACEMENT

APPLICATION FORM

FOR ADMISSION TO A

PROGRAM IN CITYWIDE SCHOOLS

School personnel are to fill in only the criteria required for the specific school or program. They are not to fill in Product or Disposition.

	Score	Weight	Product
1. Reading Level X 10		X 2 =	
2. Arithmetic Level X 10		X 2 =	
3. Gen. Avg.[a]		X 2 =	
4. Math. Avg.[a]		X 1 =	
5. Science Avg.[a]		X 1 =	
6. % Attendance[b]		X 1 =	
7. Algebra I		X 1 =	
8. Foreign Lang.		X 1 =	
9. Mech. Draw.		X 1 =	
10. Ind. Arts		X 1 =	
	TOTAL SCORE		

[a] Average of present semester grade and previous year's grade

[b] Sept. to Jan. 31, 197

Principal's Signature